



**B.S. Mechanical Engineering - Schedule Planning Grid**  
**Effective Autumn 2023**

Freshmen Year					Sophomore Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
<b>TMATH 124</b>	<b>Calculus I</b>	<b>Fall</b>	<b>5</b>		<b>TMATH 324</b>	<b>Multivariable Calculus</b>	<b>Fall</b>	<b>5</b>	
<b>TCHEM 142</b>	<b>General Chemistry 1</b>	<b>Fall</b>	<b>6</b>		<b>TME 221</b>	<b>Statics</b>	<b>Fall</b>	<b>4</b>	
TCORE 102	Introduction to Engineering	Fall	5			Social Science & Diversity (SSc and DIV)	Fall	5	
<b>TMATH 125</b>	<b>Calculus II</b>	<b>Winter</b>	<b>5</b>		<b>TMATH 207</b>	<b>Differential Equations</b>	<b>Winter</b>	<b>5</b>	
TCORE 101	Introduction to Composition (C)	Winter	5		<b>TME 222</b>	<b>Mechanics of Materials</b>	<b>Winter</b>	<b>4</b>	
<b>T PHYS 121</b>	<b>Physics I (Mechanics)</b>	<b>Winter</b>	<b>6</b>			Arts and Humanities (A&H, W)	Winter	5	
					TUNIV 190	Success in STEM	Winter	1	
<b>TMATH 126</b>	<b>Calculus III</b>	<b>Spring</b>	<b>5</b>		<b>T PHYS 123</b>	<b>Physics III (Waves)</b>	<b>Spring</b>	<b>6</b>	
<b>TCSS 142</b>	<b>Inroduction to Programming</b>	<b>Spring</b>	<b>5</b>		TCES 215	Electrical Circuits	Spring	5	
<b>T PHYS 122</b>	<b>Physics II (Electromagnetism)</b>	<b>Spring</b>	<b>6</b>		<b>TME 223</b>	<b>Dynamics</b>	<b>Spring</b>	<b>4</b>	
Junior Year					Senior Year				
Course #	Title	Quarter	Credits	Notes	Course #	Title	Quarter	Credits	Notes
TME 320	Fundamentals of Material Sci+LAB	Fall	4		TME 4XX	Elective	Fall	4	
TME 315	3D Modeling (A&H)	Fall	5		TME 441	Mechatronics+LAB	Fall	5	
TME 331	Thermodynamics	Fall	5		TME 433	Heat Transfer	Fall	5	
TME 310	Intro to Comp Modeling I	Fall	2		TME 480	Senior Project I	Fall	2	
TME 390	Junior Seminar	Fall	2						
<b>TME 332</b>	<b>Fluid Mechanics+LAB</b>	<b>Winter</b>	<b>5</b>		<b>TME 435</b>	<b>Thermal System Design+LAB</b>	<b>Winter</b>	<b>4</b>	
TME 341	Mechanical Design I	Winter	5		TME 4XX	Elective	Winter	4	
TEE 225	Engineering Ethics (SSc, W)	Winter	5		TME 481	Senior Project II	Winter	3	
TME 311	Intro to Comp Modeling II	Winter	2		TME 403	Engineering Economics	Winter	2	
TME 390	Junior Seminar	Winter	1		TME 402	FE Exam Review	Winter	1	
					TME 491	Senior Seminar	Winter	1	
<b>TME 351</b>	<b>Engineering Probability &amp; Stats</b>	<b>Spring</b>	<b>3</b>		TME 4XX	Elective	<b>Spring</b>	<b>3</b>	
TME 342	Mechanical Design II	Spring	5		TME 4XX	Elective	Spring	4	
TME 345	Machining Fundamentals	Spring	3		TME 482	Senior Project III	Spring	4	
TME 373	System Dynamics and Controls+LAB	Spring	5		TME 402	FE Exam Review	Spring	1	
TME 390	Junior Seminar	Spring	2		TME 491	Senior Seminar	Spring	1	

Note: This is an advising tool only and is subject to change. **Required prerequisites are in BOLD.** Admission is not guaranteed and is based on review of major application.  
\*5 credits of programming (Courses in Python, Java, C, C++ or the equivalent of AMATH 301: Beginning Scientific Computing will meet this requirement)

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Autumn 2023**

TME 435	Thermal System Design+LAB	Winter	4						
TME 4XX	Elective	Winter	4						
TME 481	Senior Project II	Winter	3						
TME 403	Engineering Economics	Winter	2						
TME 402	FE Exam Review	Winter	1						
TME 491	Senior Seminar	Winter	1						
TME 4XX	Elective	Spring	3						
TME 4XX	Elective	Spring	4						
TME 482	Senior Project III	Spring	4						
TME 402	FE Exam Review	Spring	1						
TME 491	Senior Seminar	Spring	1						

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